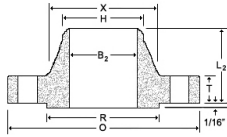
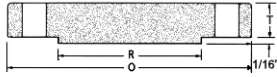


ANSI B16.47 Series B Class 600 Flanges



series B 600 weld neck flange

The welding neck flange is normally referred to as the "high hub" Flange. It is designed to transfer stresses to the pipe, thereby reducing high stress concentrations at the base of the Flange. The welding neck flange is the best designed butt-welded flange of those currently available because of its inherent structural value. It is expensive because of the design.



series B 600 blind flange

The blind flange is used to close ends of piping systems. It is a kind of round plate with no center hole but with all the proper bolt holes. This blind flange is available in various sizes and materials and is used to provide positive closure on the ends of pipes, valves or equipment nozzles. This flange helps in easy access to a line once it has been sealed. The blind flange is sometimes custom made or machined to accept a nominal sized pipe to which reduction is being made. This reduction can be a threaded reduction or welded reduction.

Nom Size	Thickness						Drilling					Weights		
	OD	Weld Neck	Blind	OD of RF	Dia at Base	Bore	LTH	Dia Bevel	Bolt Circle	Bolt Length	Hole Dia	# of Holes	Weld Neck	Blind
	O	C	C	R	X	B	Y	A		-1	-2			
26	35	4.38	4.38	28.62	27.5	To be specified by Purchaser.	7.12	26	31.75	13.5	1.75	28	550	1194
28	37.5	4.56	4.56	30.88	29.62		7.5	28	34	14.25	1.88	28	650	1427
30	40.25	4.94	5	33.12	31.75		8.06	30	36.5	15.25	2	28	810	1802
32	42.75	5.12	5.31	35.25	33.88		8.5	32	38.75	16	2.12	28	950	2159
34	45.75	5.56	5.68	37.5	36		9.19	34	41.5	17.25	2.38	24	1205	2645
36	47.75	5.75	5.94	39.75	38.12		9.56	36	43.5	17.75	2.38	28	1340	3013
38	50	6	6.12	41.5	40.25		10	38	45.75	18.25	2.38	28	1470	3404
40	52	6.25	6.38	43.75	42.25		10.38	40	47.75	18.75	2.38	32	1630	3838
42	55.25	6.62	6.75	46	44.38		11	42	50.5	19.75	2.62	28	2030	4585
44	57.25	6.81	7	48.25	46.5		11.38	44	52.5	20.25	2.62	32	2160	5105
46	59.5	7.06	7.31	50.25	48.62		11.81	46	54.75	20.75	2.62	32	2410	5758
48	62.75	7.44	7.69	52.5	50.75		12.44	48	57.5	22.25	2.88	32	2855	6737
50	65.75	7.75	8	54.5	52.88		12.94	50	60	23.25	3.12	28	3330	7695
52	67.75	8	8.25	56.5	54.88		13.25	52	62	23.75	3.12	32	3560	8426
54	70	8.25	8.56	58.75	57		13.75	54	64.25	24.25	3.12	32	3920	9333
56	73	8.56	8.88	60.75	59.12		14.25	56	66.75	25.5	3.38	32	4280	10,529
58	75	8.75	9.12	63	61.12	14.56	58	68.75	26	3.38	32	4640	11,414	
60	78.5	9.19	9.56	65.25	63.38	15.31	60	71.75	27.25	3.62	28	5000	13,108	

Dimensions are in inches. Weights are in pounds.

(1) Bolt lengths are calculated based on bolting one WN to one Blind.

(2) Bolt diameter should be 1/8" less than the bolt hole diameter.

Note:

Larger sizes as well as intermediate sizes can be furnished.

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flange flanges flange

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